

KORNTOVA, V.A.; VASIL'YEVA, Z.V.

Pink apatite from a pegmatite lens. Trudy Min. muz. no.11:181-
183 '61.
(MIRA 16:7)

(Apatite)

YEFIMOV, A.F.; KRAVCHENKO, S.M.; VASIL'YEVA, Z.V.

Strontium apatite, a new mineral. Dokl. AN SSSR 142 no.2:439-
442 Ja '62. (MIRA 15:2)

1. Institut mineralogii, geokhimii i kristallokhimii redkikh
elementov AN SSSR. Predstavлено академиком D.S.Korzhinskим.
(Inagli region—Apatite)

KUPRIYANOVA, I.I.; VASIL'YEVA, Z.V.

Rare earth miserite. Geol.mest.red.elem. no.9:139-148 '61.
(MIRA 14:9)
(Siberia--Miserite)

VASIL'YEVA, Z.V.

Use of ion exchange resins in the analysis of apatites.
Trudy IGEM no.64, Metod. khim. anal. min. no.1:91-94 '61.

(Ion exchange resins)
(Apatite)

(MIRA 14:7)

GENKIN, A.D.; VASIL'YEVA, Z.V.; YAKOVLEVSKAYA, T.A.

Occurrences of apatite in copper-nickel sulfide ores in the
Noril'sk deposit. Geol. rud. mestorozh. no.2:100-108 Mr-Ap
'61. (MIRA 14:5)

1. Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii
i geokhimii AN SSSR.
(Noril'sk region—Apatite)

VASIL'YNA, Z.V., and GOL'DIN, SAI—(dir.) "New English trans-
lations in ~~the~~ ^{from} English of various deposits of the [Soviet] Union."
Ios, 1958. 16 pp (Acad. Sci. USSR. Inst. of Geology of Ore Deposits,
Petrography, Mineralogy, and Geochemistry), 12th edition. (M, 21-52, 104)

110

VASIL'YEVA, Z.V.

Mole of manganese in apathes. Zap. Vses. min. ob-va 87 no. 4:455-468
'58:-
(MIRA 12:1)

1. Institut geologii rudnykh mestorozhdeniy, petrografii, mineralo-
gii i geokhimii AN SSSR, Moskva.
(Manganapatite)

VASIL'YEVA, Z.V.; KUDRYASHOVA, V.I.

Apatite from Siberian trap rocks. Izv. AN SSSR. Ser. geol. 23
no.7:92-97 Jl '58. (MIRA 11:9)

1. Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii
i geokhimi AN SSSR, Moskva.
(Lower Tunguska Valley--Apatite)

AUTHOR: Vasil'yeva, Z. V. SOV/7-58-4-8/13

TITLE: On Sulfur-Containing Apatites (Ob apatitakh, soderzhashchikh seru)

PERIODICAL: Geokhimiya, 1958, Nr 4, pp. 368 - 373 (USSR)

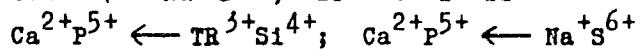
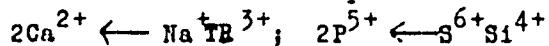
ABSTRACT: First the papers hitherto published in this field are discussed. For this purpose analyses of the following minerals are compiled in a table: Vilkeit, ellestadit, apatite from the Laach Lake, as well as apatite analyses of the author. The samples are from Shishimskaya kop' (Ural), Legliyer (Aldan), Emel'dzhak (Aldan) and Nadezhnoye (Aldan). In these minerals P is partially substituted isomorphously by S and Si. In ellestadit two P^{5+} correspond to one S^{6+} and one Si^{4+} each; in contrast to this the ratio Si/S in the apatite from Shishimskaya kop' is 1,34 : 1. The isomorphous substitution can be illustrated by the following scheme:
$$[3P^{5+}] O^{2-} \longleftrightarrow [S^{6+} 2Si^{4+}] (OH)^-$$
. The chemical composition of the apatite from Nadezhnoye corresponds to the formula $Na_6 Ca_4 S_6 O_{24} Cl_2$; the isomorphous substitution can be illustrated by the following scheme:

Card 1/3

On Sulfur-Containing Apatites

SOV/ 7-58-4-8/13

$\text{Ca}^{2+}\text{P}^{5+} \leftarrow \text{Na}^+\text{S}^{6+}$. The other two apatites from Aldan (Legliyer and Emel'dzhak) also contain sodium and rare earths besides sulfur and silicon. The following isomorphous substitutions could be possible:



Furthermore the paper gives data on the specific weight, the refraction indices, and the lattice constants of the apatites investigated. It is difficult to determine the limits of the influence of the rising sulfur content, since these properties are influenced by other elements as well. There are 5 tables and 7 references, 3 of which are Soviet.

ASSOCIATION: Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii AN SSSR, Moskva (Moscow Institute of the Geology of Ore Deposits, Petrography, Mineralogy and Geochemistry, AS USSR)

SUBMITTED: December 4, 1957

Card 2/3

On Sulfur-Containing Apatites

201/7-58-4 2/13

1. Apatite--Analysis 2. Minerals--Analysis

Card 3/3

. AUTHOR: Vasil'yeva, Z. V. SOV/7-58-4-8/13

TITLE: On Sulfur-Containing Apatites (Ob apatitakh, soderzhashchikh seru)

PERIODICAL: Geokhimiya, 1958, Nr 4, pp. 368 - 373 (USSR)

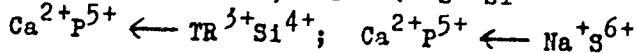
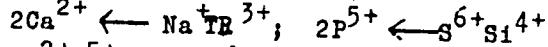
ABSTRACT: First the papers hitherto published in this field are discussed. For this purpose analyses of the following minerals are compiled in a table: Vilkeit, ellestadit, apatite from the Laach Lake, as well as apatite analyses of the author. The samples are from Shishimskaya kop' (Ural), Legliyer (Aldan), Emel'dzhak (Aldan) and Nadezhnoye (Aldan). In these minerals P is partially substituted isomorphously by S and Si. In ellestadit two P^{5+} correspond to one S^{6+} and one Si^{4+} each; in contrast to this the ratio Si/S in the apatite from Shishimskaya kop' is 1,34 : 1. The isomorphous substitution can be illustrated by the following scheme:
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. The chemical composition of the apatite from Nadezhnoye corresponds to the formula $Na_6 Ca_4 S_6 O_{24} Cl_2$; the isomorphous substitution can be illustrated by the following scheme:

Card 1/3

On Sulfur-Containing Apatites

SOV/ 7-58-4-8/13

$\text{Ca}^{2+}\text{P}^{5+} \leftarrow \text{Na}^+\text{S}^{6+}$. The other two apatites from Aldan (Legliyer and Emel'dzhak) also contain sodium and rare earths besides sulfur and silicon. The following isomorphous substitutions could be possible:



Furthermore the paper gives data on the specific weight, the refraction indices, and the lattice constants of the apatites investigated. It is difficult to determine the limits of the influence of the rising sulfur content, since these properties are influenced by other elements as well. There are 5 tables and 7 references, 3 of which are Soviet.

ASSOCIATION: Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii AN SSSR, Moskva (Moscow Institute of the Geology of Ore Deposits, Petrography, Mineralogy and Geochemistry, AS USSR)

SUBMITTED: December 4, 1957

Card 2/3

On Sulfur-Containing Apatites

01/7-18-4 8/13

1. Apatite--Analysis 2. Minerals--Analysis

Card 3/3

VASIL'YEVA, Z.Y.

Sulfur-containing apatites [with summary in English], Geokhimiia
no. 4:368-373 '58. (MIRA 11:?)

1. Institut geologii, rudnykh mestorozhdeniy, petrografii, mineralogii
i geokhimiia AN SSSR, Moskva.

(Apatite)
(Sulfur)

AUTHOR: Vasil'yeva, Z.V. and Kudryashova, V.I. 11-58-7-6/12

TITLE: Apatite from a Siberian Trappean Formation (Apatit iz Sibirskoy trappovoy formatsii)

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geologicheskaya, 1958, Nr 7, pp 92-97 (USSR)

ABSTRACT: Apatite is a constant accessory mineral in trappean rock formations. According to A.P. Lebedev, the diabase-pegmatites contain 1% of apatite, and according to V.V. Lyakhovich, the gabbro-diabases of the Vilyuy region contain 2.86% apatite. It is also found in various micropegmatitic mesostasis of pegmatoid formations in different trappes of India, South Africa and Tasmania. But the apatite of post-magmatic origin was never found until recently. One of the authors discovered the crystals of apatite in a hydrothermal vein in the region of the Nizhnyaya Tunguska river. Other apatite crystals were also found in this region. Their characteristics are described in detail. In other regions of Siberia, A.P. Lebedev and N.V. Pavlov also discovered apatite crystals. Chemical analysis showed that the content of rare earths in apatites from the hydrothermal vein was from 2.13 to 0.90% and no rare earths

Card 1/2

Apatite from a Siberian Trappean Formation

11-58-7-6/12

were found in other apatites located in metasomatically changed lava covers or in the magnetite deposits. There are 5 photos, 1 table, and 5 Soviet references.

SUBMITTED: October 8, 1957

ASSOCIATION: Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii, AN SSSR, Moskva (The Geological Institute of Ore-Deposits, Petrography, Mineralogy, and Geochemistry, AS USSR, Moscow)

Card 2/2

1. Apatite - Sources

4.

VASIL'Yeva Z.V.

USSR/Physiology of Plants - Respiration and Metabolism.

I-2

Abs Jour : Ref Zhur - Biol., No 3, 1958, 10387

Author : Vasil'yeva, Z.V.

Inst : Moscow State Pedagogical Institute.

Title : Transformation of Carbohydrates and Activity of Ferments
in Grape Under Moscow Oblast' Conditions.

Orig Pub : Uch. zap. Mosk. gos. ped. in-t, 1956, 97, 133-166.

Abstract : The intensity of photosynthesis (by the halves method),
the carbohydrate composition (by Hagedorn-Jensen's me-
thod), acidity (by Prostoserdov's method, perfected by
Tsarevetinov), invertase activity (by the vacuum infil-
tration method and in vitro) and amylase activity (in
vitro) were all determined in leaves of the seventh,
eighth, and ninth nodes of the basic shoot (s) of four
varieties of grape. The catalase and peroxidase

Card 1/2

VASIL'YEVA, Z.V.; LITSAREV, M.A.; ORGANOVA, N.I.

On natural sulfate apatite. Dokl. AN SSSR 118 no.3:577-580
Ja '58; (MIRA 11:4)

1. Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii
i geokhimii Akademii nauk SSSR. Predstavлено akademikom N.V. Bel'svym.
(Aldan region--Apatite)

VASIL'YEVA, Z.V.

Fluorine, chlorine and hydroxyl in apatites [with summary in English]. Geokhimiia no.8:704-712 '57. (MIRA 11:2)

1. Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii geokhimiia AN SSSR, Moskva.
(Apatites) (Halogens) (Hydroxyl)

AUTHORS:

Литсаев, А. А.

Vasil'yeva, Z. V., Litsarev, M. A.,
Organova, N. I.

20-3-46/59

TITLE:

Natural Sulfate Apatite
(O prirodnom sul'fatapatite)

PERIODICAL:

Doklady AN SSSR, 1958, Vol. 118, Nr 3, pp. 577-580 (USSR)

ABSTRACT:

Apatite is comparatively widely distributed in the phlogopite layers in the Aldan region. It occurs as a mineral admixture in various crystalline slates and gneisses, granites and pegmatites, mostly in the form of small irregular grains distributed over the entire rock. The largest apatite accumulations are combined with metasomatic formations, in particular with phlogopite veins and nests which are deposited in diopside and spinel-diopside rocks. The dimensions of the apatite crystals vary from a few millimeters to 35 to 40 cm, their colour being green, pale blue or red. An unusual specimen of apatite was found in the phlogopite deposit "Nadezhnoye" (On the upper course of the river Pravyy Kurung-Khoonku, district of Aldan). Small apatite crystals (1 - 1,5 mm, figure 1) are composed of an

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Natural Sulfate Apatite

20-3-46/59

aggregate of even smaller crystals with a characteristic zonal structure (figure 1b). The inner parts of these latter micro crystals are very weakly double-refracting (almost isotropic) whereas the external layers are normally refracting. The latter variety of apatite in certain points forms shapeless separations, fills up the gaps between the isotropic apatite and without doubt is of a later origin. The interrelations established between these two components of the identical apatite sample lead to the assertion, that here one variety of apatite was replaced by the other. An incomplete pseudo-morphosis (para-morphosis) of two chemically differing apatite varieties is observed here. The analysis of these varieties was not successful, because a separation was impossible. An X-ray structure analysis showed two excess lines. They can well be made to harmonize with the indices of the apatite-like component with $a_2 = 9,56$; $c_2 = 6,77$; $c_2/a_2 = 0,708$. As it is shown by table 1, it is possible to attribute indices corresponding to the second phase to all other lines. This justifies the assumption, that here two apatite phases are existent. The parameter a of the second phase is much greater, which is characteristic for Cl-apatite, as is well known. The

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Natural Sulfate Apatite

20-3-46/59

chemical analysis is given in table 2. It reflects the composition of both apatite phases and corresponds, after subtracting CaCO_3 , to the total formula of apatite, which is distinguished by the presence of S, which obviously replaces P isomorphously, and by the occurrence of Na, which replaces Ca. From this the occurrence of Na-S-apatite may be presumed, the existence of which was proved (reference 1). Intermediary forms also became known. From these facts and from the investigations of the apatite from "Nadezhnoye" it can be conceived to consist of two phases, Na-S-apatite and normal apatite. For the purpose of clarifying the problem, to what extent it consists of pure S-apatite, a finely ground sample was washed out with water for three days. The presence of sulphur and chlorine, as well as the absence of phosphorus was determined. Therefore, in this apatite phosphorus is completely replaced by sulphur. From these considerations the formula $\text{Na}_6\text{Ca}_4\text{O}_{24}\text{Cl}_2$ is proposed. This variety was not yet observed in nature. It forms about 5% of the total apatite mass. The predominant component corresponds to the formula $\text{Ca}_{10}\text{P}_6\text{O}_{24}(\text{OH}, \text{F})_2$. The ordinary apatite here forms a paramorphosis of an earlier sulfate-

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Natural Sulfate Apatite

20-3-46/59

-apatite, which proved to be unstable on the conditions of metasomatism because of its solubility and was preserved only in the crystal cores. There are 1 figure, 2 tables, and 1 reference.

ASSOCIATION: Institute for Ore Deposits, Petrography, Mineralogy and Geochemistry AN USSR (Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii Akademii nauk SSSR)

PRESENTED: August 29, 1957, by N. V. Belov, Academician

SUBMITTED: August 28, 1957

AVAILABLE: Library of Congress

Card 4/4

VASIL'YEVA-PUPYSHEVA, L.I.

Diseases of cherry laurel in the Crimea. Biul. Glav. sada
no.31:86-95 '58. (MIRA 12:5)

1. Gosudarstvennyy Nikitskiy botanicheskiy sad.
(Cherry laurel--Diseases and pests)
(Crimea--Fungi, Phytopathogenic)

Document 1178

✓ 1178. Influence of technological factors upon bond strength between elements of tire covers. V.

A. PISKOVIS, S. A. VASIL'YEV, and L. M. KERERASHA

Prochnost' Sverzay 1954, p. 87-87 (Vnes)

Khimi. Obshch. no. 111. Moshchensk, Dec. 1954

The bond strength in the covers of 100% synthetic

rubber has been increased by maintaining the

freshness of the piled up parts by shortening the

period of storage, buffing, and application of the

bonding agent to the previously heated surfaces.

(i) increasing the pressure and its duration during

plying up, and increasing the pressure during

vulcanization; (ii) raising the temperature of the

plied up parts to 60 to 70 °C.

Dear Dr. Hart:

VP IL'YEVA, S. A.
US Chemistry - Tire cords

FD-1731

Card 1/1 : Pub. 50-7/18

Authors : Uzina, R. V., Ionova, T. V., Vasil'yeva, S. A.

Title : The effect of a high hygroscopicity of viscose cord on the quality of automobile tire casings

Periodical : Khim. prom., No 1, 34-39, Jan-Feb 1955

Abstract : The harmful effects of a high moisture content in viscose cord are described. It is recommended that the Main Administration of Cord Production ["Glavkord"], Ministry of the Consumers' Goods Industry, initiate work on the reduction of the hygroscopicity of viscose cord. Three references; one USSR, since 1940. One figure, 11 graphs. 2 tables.

Institution : Scientific Research Institute of the Tire Industry

VASIL'YEVA-SAVINOVSKAYA, S. A.

Vasil'yeva-Savinovskaya, S. A.

"Investigation of the effect of the technological factors in the process of soaking cord on the stability of the bond between it and rubber."
Min Higher Education USSR. Inst of Fine Chemical Technology imeni M. V. Lomonosov. Min Chemical Industry USSR. Sci Res Inst of the Tire Industry. Moscow, 1956. (Dissertation for the Degree of Candidate in Technical Sciences).

So: Knizhnaya letopis'
No. 25, 1956. Moscow

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 08/31/2001 BY [Signature]

Intel India has been asked to review and test Intel
Pentium Processor. The Intel Pentium Processor is
being referred to as the "Intel Pentium Processor".

08/31/2001

KUDRYAVTSEV, G.I.; VASIL'YEVA-SOKOLOVA, Ye.A.

Chemical transformations of poly-2-methyl-5-vinylpyridine based on the reactivity of the α -methyl group. Part 1: Reaction of poly-2-methyl-5-vinyl-N-methyl pyridinium salts with aromatic aldehydes. Vysokom. soed. 5 no.9:1345-1350 S '63. (MIRA 17:1)

MAZEL', I.S.; VASIL'YEVA-SOKOLOVA, Ye.A.; KUDRYAVTSEV, G.I.

Cleavage of pyridine rings in α - and β -vinylpyridines and in polymers obtained from their monomers. Vysokom. soed. 5 no. 6:868-872 Je '63. (MIRA 16:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo volokna.

(Pyridine) (Pyridinium compounds)

L 11241-66 EWT(m)/ETC(F)/EWG(m)/EWP(j)/T DS/RM
ACC NR: AP6001862 SOURCE CODE: UR/0190/65/007/012/2063/2066

44 55 44 55 44 55 52
AUTHOR: Pinskaya, I. S.; Vasil'yeva-Sokolova, Ye. A.; Kudryavtsev, G. I.

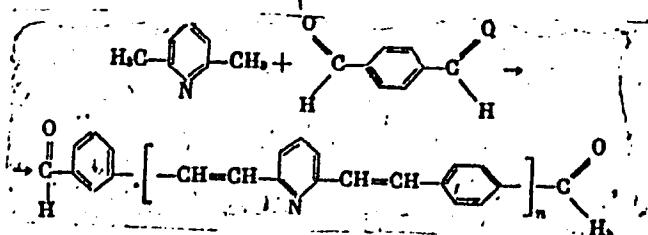
ORG: All-Union Scientific Research Institute of Synthetic Fibers (Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo volokna) 23

TITLE: Synthesis of polymers from aromatic dialdehydes and 2, 6-lutidine

SOURCE: Vysokomolekulyarnyye soyedineniya, v. 7, no. 12, 1965, 2063-2066

TOPIC TAGS: organic semiconductor, semiconducting polymer, ion exchange resin

ABSTRACT: Condensation of 2, 6-lutidine (I) or 1-methyl-2, 6-lutidinium iodide (II) with aromatic dialdehydes has produced polymers exhibiting heat resistance, and semiconducting and ion-exchange properties. The reaction products of I and terephthalic aldehyde, 15



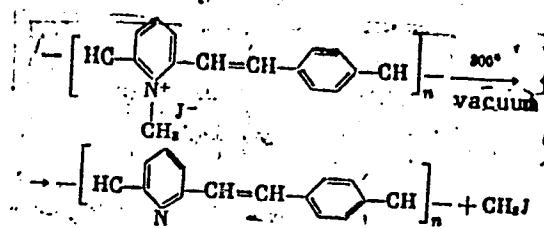
Card 1/2

UDC: 541.64+678.62

11241-66

ACC NR: AP6001862

were fusible (160-225°C) and soluble (in sulfuric and hydrochloric acids in most cases, benzyl alcohol, quinoline, pyridine, and cresol); crystalline, and had a conductivity of 0.8×10^{-10} mho/cm at 100°C (0.8×10^{-12} mho/cm at 0°C). The condensation products of II with terephthalic aldehyde were brown powders infusible and insoluble in acids and organic solvents and had a conductivity of 0.3×10^{-9} mho/cm at room temperature. Heat treatment in vacuum at 300°C resulted in the elimination of iodine:



IR spectroscopy and chemical analysis confirmed the structures of the polymers from I and II. Molecular weights were of the order of 5000. Orig. art. has: 1 table and 3 figures.

SUB CODE: 11/ SUBM DATE: 05Jan65/ ORIG REF: 003/ OTH REF: 005/ ATD PRESS: (SM)

PC
Card 2/2

4173

L 35075-65 EPF(c)/EWP(j)/EWA(c)/ENT(m)/T Pe-4/Pr-4 RPL RW/JW

S/0081/64/000/024/S026/S026

ACCESSION NR: AR5006366

SOURCE: Ref. zh. Khimiya, Abs. 24S150

AUTHOR: Kudryavtsev, G. I.; Vasil'yeva-Sokolova, Ye. A.

TITLE: Certain chemical transformations of poly-2-methyl-5-vinylpyridine, based on the reaction capability of the α -methyl group. II. Interaction of salts of poly-2-methyl-5-vinyl-N-methyl-pyridine with aromatic nitroso compounds

CITED SOURCE: Sb. Vysokomolekul. soyedineniya. Khim. svoystva i modifik. polimerov. M., Nauka, 1964, 253-256

TOPIC TAGS: aromatic nitro compound, aromatic diamine, condensation reaction, fiber, polymeric dye

TRANSLATION: The interaction of the salts of poly-2-methyl-N-methyl-5-vinylpyridine with *n*-nitrosodimethylaniline and *n*-nitrosodiphenylamine was studied. The interaction is based on the capability of the hydrogens of the α -methyl group of the polymer to be condensed with the arylnitroso compounds. The reaction products are high-molecular azomethine compounds, the portion of condensed units in which reaches 94. Since the compounds obtained are polymeric dyes, *n*-nitrosodimethylaniline

Card 1/2

L 35075-65

ACCESSION NR: AR5006366

line was reacted with a fiber made of the copolymer of acrylonitrile and 2-methyl-5-vinylpyridine, and a chemically dyed fiber was produced with high light resistance. The condensation product of the salt of poly-2-methyl-5-vinylpyridine with n-nitrosodimethylaniline was subjected to hydrolytic decomposition in an acid medium; derivatives of poly-2-methyl-5-vinylpyridinaldehyde were isolated. For Report I see RZhKhim, 1964, 58:112. Authors' abstract

SUB CODE: OC, MT

ENCL: 00

Card 2/2

KUDRYAVTSEV, G.I.; VASIL'YEVA-SOKOLOVA, Ye.A.; MAZEL', I.S.

Synthesis of polymers on the basis of 2,6-lutidine and aromatic dialdehydes. Vysokom. soed. 5 no.1:151-152 Ja '63.

(MIRA 16:1)

(Lutidine) (Aldehydes) (Polymers)

44272

53833

S/190/63/005/001/020/020
B117/B186

AUTHORS: Kudryavtsev, G. I., Vasil'yeva-Sokolova, Ye. A., Mazel', I.S.

TITLE: Synthesis of polymers based on 2,6-lutidine and aromatic dialdehydes

PERIODICAL: Vysokomolekulyarnyye soyedineniya, v. 5, no. 1, 1963, 151-152

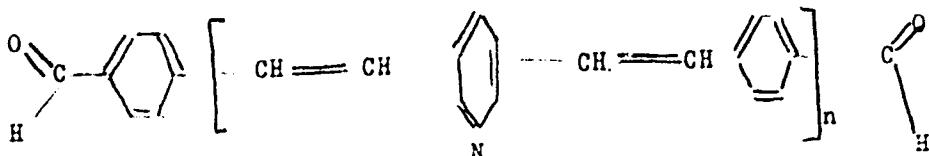
TEXT: A new method of synthesizing thermostable polymers is the polycondensation of lutidine and N-methyl lutidine iodide with aromatic dialdehydes. An infusible, light-brown powder soluble in acids and in some organic solvents (quinoline, cresol, benzyl alcohol) was produced from equimolecular amounts of lutidine and terephthalaldehyde by heating (160-220°C) in the presence of $ZnCl_2$. The specific viscosity of a 0.5% solution of the polymer in sulfuric acid is 0.103. The molecular weight determined according to Rast is 1800-2300. The following structure was found for the polymer from infrared spectra and elementary analyses:

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S/190/63/005/001/020/020

B117/B186

Synthesis of polymers based on ...



Its heat resistance is seen from the following data: Heating of the sample at 300°C (5 hrs) in air leads to a loss in weight of 7.25%; at 400°C (3 hrs) the loss in weight is 14.70%; heating at 400°C (3 hrs) in nitrogen leads to a loss in weight of 7.28%. Infusible, dark-brown

powders were produced by heating (70-90°C in absolute alcohol) of N-methyl lutidine iodide with aromatic dialdehydes (terephthal isophthalaldehyde, bis-4-formyl phenyl ester) in the presence of piperidine. Although the powders were insoluble in most of the solvents, they yielded weakly concentrated solutions with certain compounds which reacted with aldehyde groups of the polymer. The resulting polymers showed semiconductor properties: the electrical conductivity of a non-preheated sample (obtained from N-methyl lutidine iodide and terephthalaldehyde) was

Card 2/3

Synthesis of polymers based on ...

S/190/63/005/001/020/020

B117/B186

$0.3 \cdot 10^{-9}$ ohm $^{-1} \cdot$ cm $^{-1}$ at room temperature. The investigation of the properties and the synthesis of polymers of the new type is being continued.
[Abstracter's note: Essentially complete translation.]

SUBMITTED: August 14, 1962

X

Card 3/3

VASIL'YEVA-SOKOLOVA, ~~Ye. A.~~
ye. A.

PHASE I BOOK EXPLOITATION

SOV/4984

International symposium on macromolecular chemistry. Moscow,
1960.

Mezhdunarodnyy simpozium po makromolekulyarnoy khimii SSSR,
Moskva, 14-18 iyunya 1960 g.; doklady i avtoreferaty.
Sektsiya III. (International Symposium on Macromolecular
Chemistry Held in Moscow, June 14-18, 1960; Papers and
Summaries) Section III. [Moscow, Izd-vo AN SSSR, 1960]
469 p. 55,000 copies printed.

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Chemistry. Commission on Macromolecular Chemistry.

PURPOSE: This book is intended for chemists interested in poly-
merization reactions and the synthesis of high molecular
compounds.

Card 1/13

International Symposium (Cont.)

SOV/4984

COVERAGE: This is Section III of a multivolume work containing papers on macromolecular chemistry. The articles in general deal with the kinetics of polymerization reactions, the synthesis of special-purpose polymers, e.g., ion exchange resins, semiconductor materials, etc., methods of catalyzing polymerization reactions, properties and chemical interactions of high molecular materials, and the effects of various factors on polymerization and the degradation of high molecular compounds. No personalities are mentioned. References given follow the articles.

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KHAKIMOVA, A.Kh.; KUDRYAVTSEV, G.I.; VASIL'YEVA-SOKOLOVA, Ye.A.;
GORBACHEVA, V.O.

Production of cross-linked polyamide fibers. Khim. voloch. no.6:
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B-3,004,395

SAFRAZBEKYAN, O.A., inzhener; VASILIYEVICH, M.G., inzhener;
SHCHERBAKOVA, L.A., agronom.

Evaluating the performance of new checkrow potato planters.
Sel'khozmashina no.8:18-22 Ag '56. (MLRA 9:10)

(Planters (Agricultural machinery))

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Typhoid perforation cured by conservative therapy. Srpski
arh. celok. lek. 84 no.7-8:929-932 July-Aug 56.

1. Klinika za infektivne bolesti Medicinskog fakulteta u
Beogradu. Upravnik: akademik prof. dr. Kosta Todorovic.
II Hirurska klinika Medicinskog fakulteta u Beogradu.

Upravnik: prof. dr. Vojislav Stojanovic.
(TYPHOID FEVER, complications,
intestinal perf., ther. (Ser))

STOJANOVIC, Vojislav; VUCINIC-ARANDJELOVIC, Radmila; VASILJEVIC, Dragoljub;
BALOG, Borica; NEDELJKOVIC, Dragos

Surgery for embolism of femoral artery in patient with mitral
stenosis. Srpski arh. celok. lek. 84 no.11:1250-1254 Nov 56.

1. IV Interna klinika Medicinskog fakulteta u Beogradu.
Upravnik: prof. Cedomir Plavsic. II Hirurska klinika Medicinskog
fakulteta u Beogradu. Upravnik: prof. Vojislav Stojanovic.

(MITRAL STENOSIS, compl.

thromboembolism of femoral artery, surg. (Ser))

(ARTERY FEMORAL, dis.

thromboembolism with mitral stenosis, surg. (Ser))

(THROMBOEMBOLISM, compl.

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SO: Monthly List of East European Accesions List (EHAL) DC, Vol 4, No. 11
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VASIL' YEVICH

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[with summary in English]. Khirurgija 33 no.6:72-75 Je '57.
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Belgrade (zav. - prof. V.Stoyanovich)
(INTESTINAL OBSTRUCTION, etiol. and pathogen.
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1949, no. 4, s. 93-99.

SO: Letopis' Zhurnal'nykh Statey, no. 29, Moskva, 1949

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DMITRIYEVSKIY, V.P.; ZANOLODCHIKOV, B.I.; ZAPLATIN, N.L.;
KOL'GA, V.V.; KROPIN, A.A.; KUZMYAK, M.; ONISHCHENKO, L.N.;
RYBALKO, V.S.; SARKISYAN, L.A.; SHVABE, Ye.; SARANTSEVA, V.K.,
tekhn. red.

[Theory and the modeling of a circular synchro-cyclotron with
a spiral magnetic field] Voprosy teorii i modelirovaniia kol'-
tsevogo fazotrona so spiral'noi strukturnoi magnitnogo polia.
Dubna, Ob"edinennyi in-t iadernykh issl., 1962. 7 p.
(MIR 15:4)

(Synchrotron)

L 24235-66 E/T(m)
ACC NR: AP6014671

SOURCE CODE: UR/0241/65/010/010/0057/0061

40
B

AUTHOR: Moroz, B. B.; Bezin, G. I.; Grozov, S. P.; Lebedev, B. I.; Vasil'yevskaya, V. G.--Vasilievskaya, V. V.; Ponomar'kova, V. I.--Ponomarkov, V. I.; Fedorovskiy, L. L.--Fedorovsky, L. L.; Fedotov, V. P.

ORG: none

TITLE: Experimental Po sup 210 - induced chronic radiation sickness

SOURCE: Meditsinskaya radiologiya, v. 10, no. 10, 1965, 57-61

TOPIC TAGS: polonium, radiation sickness, dog, alpha radiation, radiology

ABSTRACT: The article describes the features of the clinical course and variation of certain functions in dogs with chronic radiation sickness caused by a single subcutaneous injection of Po²¹⁰ (0.003 microcuries per kg body weight). A prolonged initial period of relative clinical well-being was observed, with a developed picture of radiation sickness setting in only after some 3 months and with the dogs dying off individually after a period of from 128 to 310 days. The distribution of Po²¹⁰ throughout the tissues and organs, which resulted in a constant local alpha-irradiation of the latter, evidently played a major role in the genesis of these disturbances, with gradual increment in the tissue dose, which after 6-9 months reached 1,100-1,400 rads. During the period of distinct radiation sickness the dogs displayed lethargy, lack of appetite, periodic diarrhea, and thirst, along with spontaneous bleeding of the oral mucosa and spontaneous hemorrhages of the rectum and

UDC: 617-001.28-008.939.65

Card 1/2

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ACC NR. AP6014671

urinary tract. Shortly before death, the state of the dogs sharply deteriorated; they moved with difficulty, refused food, and vomited bile and blood. Rectal temperature rose; the pulse was quick, arrhythmic, and arterial pressure fell. With these symptoms, the dogs died. It was accompanied by deep trophic disturbances due to a combination of mechanisms, each of which by itself may cause trophic changes: disturbances in neuroendocrine regulations with insufficiency of the adrenal cortex; metabolic disorders, hemodynamic disorders, and chronic hypoxia, as well as the constant direct local effect of the alpha-emitter on the tissues. Anatomopathological dissection revealed that state of general dystrophy which is so characteristic of polonium poisoning and is not encountered when other radioactive isotopes pervade the organism. Orig. art. has: 4 tables. [JPRS]

SUB CODE: 06 / SUBM DATE: 25Aug64 / ORIG REF: 009

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VASIL'YEVSKAYA, L. M.

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"Preparation of t-Dichlorsulfamide of Benzoic Acid and 3,5 Bis dichlorsulfamide of Benzoic Acid From Benzoic Acid" Zhur. Obshch. Khim, 10 No. 8, 1940. Chair of Sanitary-Chemical Defense, Central Inst. of Advanced Training of Physicians, Moscow. Received 13, Oct. 1939.

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SO: Journal of General Chemistry (Zhurnal Obshchei Khimii) 1940, Volume X, no. 8.

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Eightieth anniversary of Nikolai Konstantinovich Ignatov.
Uchen. zapski vtor. moskov. med. Inst. Stalina 1 238-242
1951. (CLML 21:3)

1. Docent. 2. Department of Hygiene (Head -- Honored Worker in
Science Prof. N. K. Ignatov, Active Member of the Academy of
Medical Sciences USSR).

VASIL' YEVSKAYA, O.V., dotsent.

Men of medicine in Czechoslovakia. Sov. med. 20 no.3:88-93
Mr. '56 (MLRA 9:6)

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(FAMOUS PEOPLE,
men of med. in Czech. (Rus))

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(MIRA 19:1)
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FEDOTOV, V.P.

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Molybdenum in the soils of Kaluga Province. Vest. Mosk.
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Content of some microelements in compact Chernozem soils of
the Kuban Valley. Nauch. dokl. vys. shkoly; biol. nauki
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1. Rekomendovana kafedroy pochvovedeniya Moskovskogo gosu-
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KOVDA, V.A.; ZIMOVETS, B.A.; ZYRIN, N.G.; KORNBLYUM, E.A.; VASILL'YEVSKAYA, V.D.

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and central Amur. Pochvovedenie no.11:10-23 N '60.

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(Amur Valley--Soils)

KOVDA, V.A.; VASIL'YEVSKAYA, V.D.

Investigating the trace element content of Amur Valley soils.
Pochvovedenie no.12:68-76 D '58. (MIRA 12:1)

1. Moskovskiy gosudarstvenny universitet.
(Amur Valley--Soils--Analysis)
(Trace elements)

VASIL' YEVSKAYA, V.D.

Trace elements copper, zinc, cobalt, and nickel in soils of the
upper Amur Valley. Nauch.dokl.vys.shkoly;biol.nauki no.3:
179-182 '58. (MIRA 11:12)

1. Predstavlena kafedroy pochvovedeniya Moskovskogo gosudar-
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(Amur Valley--Minerals in soil) (Trace elements)

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Work of the Conference of Representatives of Higher Educational
Institutions on microelements and natural radioactivity of Soviet
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(Trace elements) (Soil research)

VASILYEVSKAYA, V. K.; SHILOVA, N. V.

"Anatomical structure of the shoot apex and its functioning in plants of the far north and of hot deserts."

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VASIL'YEVSKAYA, V.V.

Reactivity of the blood vessels following injury to the organism from
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(POLONIUM, eff., inj.)
(BLOOD VESSELS, radiation eff.)

VASILYEVSKAYA, Ye. G.

"Assistance and rescue of crews of spaceships which have experienced damage."

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Volume 2: Melanconiales, 1959.

30: SIRI, SI 90-53, 15 December 1953

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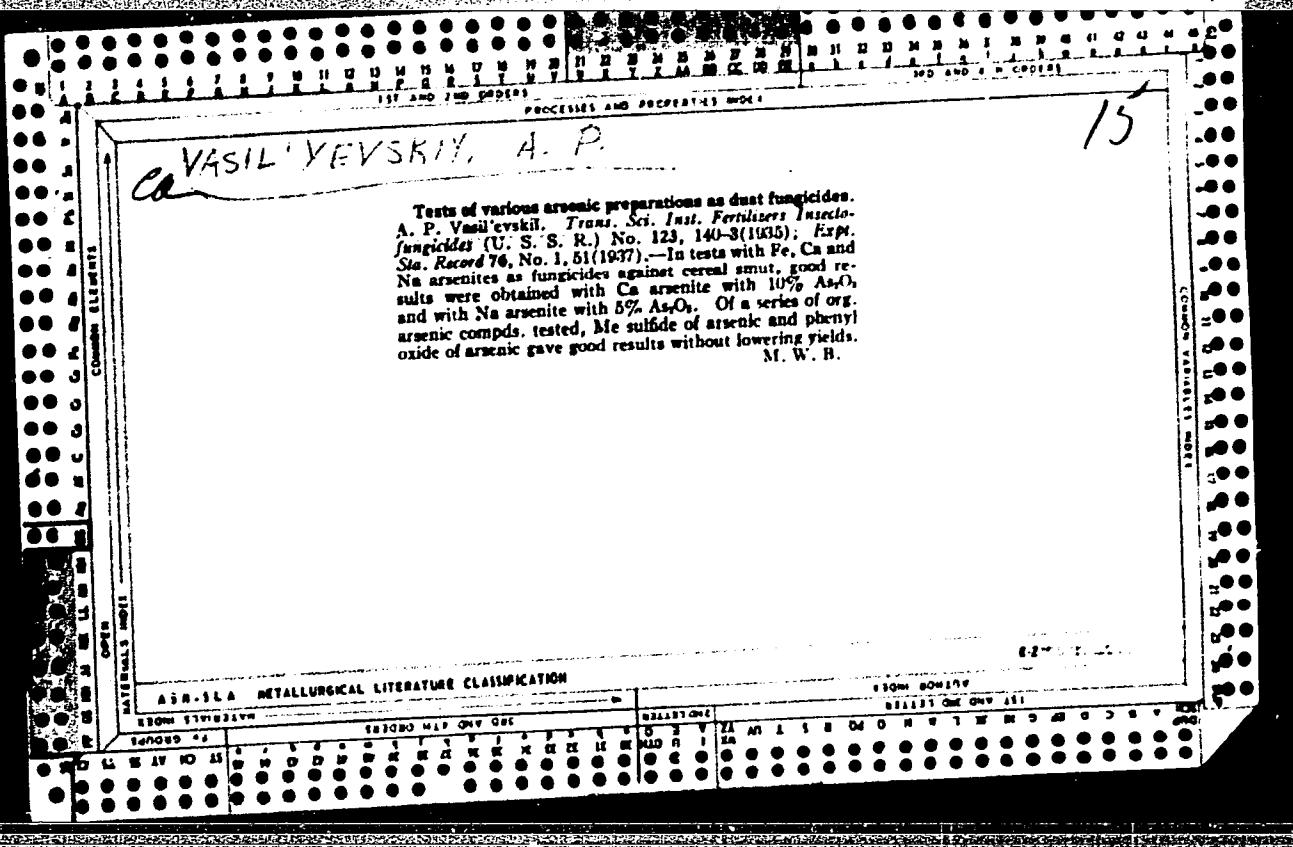
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Talc-arsen - an effective seed disinfectant. A.
 Vasil'evskii. *Crop Protection* (Moscow) 1, 26-7 (1934);
Rev. Applied Mycol. 14, 22. - Talc-arsen dust contains only
 2.8% of As_2O_3 as against Davydoff's prepn. which contains
 9.91%. Talc-arsen completely suppressed wheat bunt
(Tilletia caries and *T. foetida*) in one test while Davydoff's
 prepn. gave 1.8% infection and controls 35.7% infection.
 By use of the same dosage of dusts in another trial, seeds
 treated with talc-arsen, Paris green and Davydoff's prepns.
 gave the following percentages of infection, resp.: 0.37,
 0.87 and 1.65; controls gave 87.2%. O. E. Sheppard

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001859010015-1"



Ca

Effectiveness of "Sol'bar" against cotton-plant insects. A. Vasilevskii and M. Zubov. *Sov. Khim. Referat. Zhur.* 1939, No. 12, 1939, No. 8, 1940. *Russ. Referat. Zhur.* 1939, No. 12, 1939, No. 8, 1940. The production and application of "Sol'bar" (an insectofungicide prep., from a mech. mixt. of BaS and ground S) are described. In the prep. of the "Sol'bar" soln. BaS dissolves and S changes into the sol. state (Ba polysulfides). "Sol'bar" is effective against various types of mites under conditions of the central belt of U. S. S. R. In the cotton-belt regions of Central Asia its effectiveness according to Abbo was 25.6% for 1% solns on the 3rd and 6th day and 45% on the 9th day. The effectiveness of a 0.7% soln. of "Sol'bar" was 68.75% for a period of 3-9 days. "Sol'bar" surpasses S and is equal to ISO in its toxic properties. W. R. Henn

VASIL'YEVSKIY, A. P.

VASIL'YEVSKIY, A. P., and ZUBOV, M. F. "Soviet Solbar against Erysiphe cichoracearum on Cucumbers under Green House Conditions," Zashchita Rastenii, no. 19, 1939, pp. 170-173. 421 P942

SO: SIRA SI-90-53, 15 Dec. 1953

H

The use of solbar (and anabasine sulfate) against aphids (on cucumbers). M. Zubov and A. Vasilevskii
Zhuchekarstvo (U. S. S. R.) 1940, No. 5, 31-2. The
percentages of destruction of aphids on cucumbers were
resp.: control 2.67-3.81; 0.3% solbar 30.00-40.00;
1.0% solbar 65.66-75.70; 0.5% solbar +0.2% anabasine
sulfate 97.25; 0.5% solbar +0.3% anabasine sulfate
0.04; 1.0% solbar +0.2% anabasine sulfate 98.00; 1.0%
solbar +0.3% anabasine sulfate 99.79; 0.5% green soap
+0.2% anabasine sulfate 99.50; 0.5% green soap +0.3%
+0.2% anabasine sulfate 100.00. Expts. were also made on the
destruction of cucumber mildew caused by *Leptophloeus* *cucu-*
marum Fr. The percentages of the nos. of affected
leaves and of the surface of the leaves were: with 1% de-
canted solbar 2.8 and 0.20; with 1.0% suspended solbar
2.6 and 0.18; with 1.0% decanted solbar +0.3% anaba-
sine sulfate 2.6 and 0.18. The resp. values for controls
were 35.8 and 24.1%. A combination of solbar and ana-
basine sulfate can be used with success for the simultane-
ous destruction of cucumber mildew and of aphids.
W. R. Henn

1A

Solbar instead of Bordeaux mixture. A. Vasil'evskij and M. Zubov. Sibirsko (U. S. S. R.) 1940, No. 5, 33-4. The percentages of apples affected with scab control on control apple trees and on trees treated with 1% Bordeaux liquid, 1% solbar soln. and 1.5% solbar soln. were, resp.: 17.0, 3.0, 1.2 and 0.5%. After the various treatments the percentages of affected leaves, of affected apples, of 1st-grade apples and of rejected apples were, resp.: after 1.5% solbar 16.8, —, 65.0 and 9.5; after 1.5% solbar +0.2% Ca_3AsO_4 6.6, 11.7, 75.8 and 5.2; after Bordeaux liquid 8.1, 32.0, 67.1 and 11.4; control apple trees 81.0, 99.5, 14.0 and 24.0. The av. wts. of the fruits were 130, 135, 115 and 87.0 g., resp. W. R. Henn

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VASIL'YEVSKIY, A. P., "Soil Treatment with Preparation NIUIF-2," Sad i Ogorod,
no. 8, 1947, pp. 40-44. 80 Sal3

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30388

Laboratornyy myetod islytaniya fungisndov. Byull ye tyen' glav. botan. sada,
Vyp. 3, 1949, S. 79-80.

SO: Letopis' No. 34

VASIL'YEVSKIY, A. P.

Fungicides.

Colloidal sulfur as fungicide. Biul. Glav. bot. sada, no. 9, 1951.

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2. USSR (600)
4. Wasps
7. Hornet (Vespa crabro) is a pest of ornamental trees. Biul. Glav. bot. sada no. 11, 1952.
9. Monthly List of Russian Accessions, Library of Congress, February 1953, Unclassified.

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2. USSR (600)
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7. Rodent control in the ~~Min~~ Botanical Garden. Buil.Glav,botsada no.12 1952
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Copper-soap-nicotine liquid for the control of diseases and pests of roses.
Biul.Glav.bot.sada no.14:74-79 '52. (MLRA 6:5)

1. Glavnnyy botanicheskiy sad Akademii Nauk SSSR.
(Roses--Diseases and pests) (Fungicides)

VASIL'YEVSKIY, A.P.

Methods of combating the phlox eelworm. Trudy Glav. bot. sada 4:178-
182 '54. (MIRA 8:5)
(Phlox--Diseases and pests) (Nematoda)

VASIL'YEVSKIY, A.P.

Measures for combating white mottling in phlox. Trudy Glav.bot.sada
4:230-233 '54. (MLRA 8:5)
(Phlox--Diseases and pests)

VASIL' YEVSKIY, A.P.

Prevention of functional diseases in gladioli. Biul.Glav.bot.
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(Gladiolus--Diseases and pests)

VASIL'YEVSKIY, A.P.; KLIMOVICH, I.V.

Use of ethylmercuric chloride in floriculture. Biul.Glav.bot.sada
no.27:89-94 '57. (MLRA 10:5)

1.Glavnyy botanicheskiy sad Akademii nauk SSSR.
(Ethylmercuric chloride)
(Floriculture)

VASIL'YEVSKIY, A.P.

Stabilizers of copper-soap solutions. Biul. Glav. bot. sada
no. 38:79-82 '60. (MIRA 14:5)

1. Glavnnyy botanicheskiy sad AN SSSR.
(Copper) (Fungicides)

BORISOV, P.A.; VASIL'YEVSKIY, A.P.

Geological and economic prerequisites for creating in the Karelian
A.S.S.R. a strong stone industry. Trudy Kar. fil. AN SSSR no.11:3-27
'59. (MIRA 13:2)

(Karelia--Stone)

VASIL'YEVSKIY, A.P.; DAMANSKAYA, L.Yu.

Effect of parathion on the stem nematode of phlox. Biul. Glav. bot. sada no.31:98-100 '58. (MIRA 12:5)

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Mildew of begonias. Biul. Glav. bot. sada no.31:100 '58.
(MIRA 12:5)

1. Glavnnyy botanicheskiy sad AN SSSR.
(Begonias--Diseases and pests) (Mildew)

LEVITSKIY, Sh.; VASIL'YEVYKH, N.

Honing with synthetic diamonds. Avt. transp. 43 no. 2:22-24 1/8
'65. (MIRA 12:9)

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Puti soobshchenia Rumynii. Transportation facilities in Rumania. Pod red.
T. S. Khachaturova. Moskva, Gos. transp. zhel-dor. izd-vo, 1945. 134 p. illus.,
maps (1 fold.)
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DLC: HE267.V3

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